

Supplemental Information

SUPPLEMENTAL TABLE 6 Effectiveness of DTaP Vaccination Against Pertussis in Children, Overall and by Age Group at KPNC (January 2006–June 2017)

DTaP Vaccination Status ^a	Age at Follow-up (No. DTaP Doses Corresponding to Fully Vaccinated Status)					
	Overall: Ages 3–132 mo; 469 982 Children (2 138 835 P-Y) With 738 Pertussis Cases	Ages 3 to <5 mo (1 DTaP dose); 348 968 Children (567 92 P-Y) With 30 Pertussis Cases	Ages 5 to <7 mo (2 DTaP Doses); 43 099 Children (55 939 P-Y) With 22 Pertussis Cases	Ages 7 to <19 mo (3 DTaP Doses); 357 699 Children (310 259 P-Y) With 110 Pertussis Cases	Ages 19 to <84 mo (4 DTaP Doses); 381 578 Children (1 216 951 P-Y) With 253 Pertussis Cases	Ages 84–132 mo (5 DTaP Doses); 172 760 Children (498 894 P-Y) With 323 Pertussis Cases
	VE, ^b % (95% CI)	VE, % (95% CI)	VE, % (95% CI)	VE, % (95% CI)	VE, % (95% CI)	
Undervaccinated	86.2 (79.6–90.7)	—	70.0 (25.7–92.8)	84.2 (63.6–93.1)	87.5 (78.4–92.8)	90.2 (74.1–96.3)
Fully vaccinated	92.6 (90.6–94.2)	78.0 (38.4–92.1)	93.4 (80.1–97.8)	91.7 (86.2–95.0)	95.8 (93.9–97.1)	88.7 (80.0–93.6)
Fully vaccinated plus 1 dose	96.5 (94.9–97.5)	66.2 (19.4–90.5)	94.4 (72.0–98.9)	96.8 (92.8–98.6)	97.7 (96.4–98.5)	—

VE was calculated as 1 HR and scaled as a percentage. —, not applicable.

^a Unvaccinated children served as the reference group.

^b VE estimates are adjusted for sex, race or ethnicity, type of insurance, medical clinic, and for age and calendar date because risk sets were defined on a calendar time line and stratified by year and month of birth.